

1. (Unamended) A receiving apparatus comprising:
receiving means for receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;
information output means for outputting information of an information signal received by said receiving means;
selecting means for selecting an arbitrary program from the plurality of programs; and
transmitting means for transmitting program information of a program selected by said selecting means to an external apparatus.

2. (Unamended) A receiving apparatus according to claim 1, wherein the broadcasting signal is further multiplexed with program attribute data of the plurality of programs, and said transmitting means includes program information generating means for generating the program information by using the program attribute data of a program selected by said selecting means.

3. (Unamended) A receiving apparatus according to claim 2, further comprising program table generating means for generating a program table by using the program attribute data, and said selecting means selects an arbitrary program from a plurality of programs contained in the program list.

4. (Unamended) A receiving apparatus according to claim 1, further comprising information inputting means for inputting arbitrary comment information of a

program selected by said selecting means, and said transmitting means includes program information generating means for generating the program information by using the comment information.

5. (Unamended) A receiving apparatus according to claim 1, wherein said selecting means searches the plurality of programs in accordance with a predetermined retrieval condition and selects a program in accordance with a search result.

6. (Unamended) A receiving apparatus comprising:

- receiving means for receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;
- video signal processing means for processing the video signal of a program selected from the plurality of programs and outputting the processed video signal to a display device;
- program information extracting means for extracting program information from the broadcasting signal received by said receiving means;
- program table generating means for generating a program table in accordance with the program information extracted by said program information extracting means and outputting data representative of the program table to the display device;
- selecting means for selecting an arbitrary recommended program from programs described in the program table;
- file generating means for generating an output file of the recommended program selected by said selecting means by using the program information of the

recommended program among the program information extracted by said program information extracting means; and

transmitting means for transmitting the output file of the recommended program generated by said file generating means to an external apparatus.

7. (Unamended) A receiving apparatus according to claim 6, wherein the output file of the recommended program includes a plurality of information items, and said file generating means generates an identification tag of each of the plurality of information items.

8. (Unamended) A receiving apparatus according to claim 7, wherein the information item includes information representative of a recommendation index of each program.

9. (Unamended) A receiving apparatus according to claim 7, wherein the information item includes information representative of a make-up person of the output file of the recommended program.

10. (Unamended) A receiving apparatus according to claim 6, wherein said transmitting means transmits the output file of the recommended program to a network connected to said receiving means.

11. (Unamended) A receiving apparatus comprising:

receiving means for receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;

video signal processing means for processing the video signal of a program selected from the plurality of programs and outputting the processed video signal to a display device;

program information extracting means for extracting program information from the broadcasting signal received by said receiving means;

program table generating means for generating a program table in accordance with the program information extracted by said program information extracting means and outputting data representative of the program table to the display device;

selecting means for searching the plurality of programs in accordance with a predetermined retrieval condition and selecting a recommended program in accordance with a search result;

file generating means for generating an output file of the recommended program selected by said selecting means by using the program information of the recommended program among the program information extracted by said program information extracting means; and

transmitting means for transmitting the output file of the recommended program generated by said file generating means to an external apparatus.

12. (Amended) A receiving apparatus comprising:

receiving means for receiving a television broadcasting signal in which video signals of a plurality of broadcasting programs and program guide information of the plurality of broadcasting programs are multiplexed;

extraction means for extracting the program guide information from the television broadcasting signal received by said receiving means;

input means for inputting selection guide information of a program selected from the plurality of broadcasting programs, from an external apparatus; and

program table generating means for generating a first program table indicating the plurality of broadcasting programs, on the basis of the program guide information extracted by said extraction means and generating a second program table indicating the selected program, in accordance with the selection guide information input by said input means.

13. (Amended) A receiving apparatus according to claim 12, further comprising control means for judging whether said receiving means can receive the program corresponding to the selection guide information and for controlling said program table generating means in accordance with a judgement result so as to change contents of the second program table.

14. (Amended) A receiving apparatus according to claim 13, wherein the selection guide information includes time information representative of a broadcasting time of the selected program, and said control means controls said program table

generating means to inhibit a program whose broadcasting time judged is incompatible, from being displayed in the second program table.

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15. (Amended) A receiving apparatus according to claim 12, wherein the selection guide information includes service information indicating a type of broadcasting service of the selected program, and said control means controls said program table generating means to inhibit a program of broadcasting service whose type is different from that receivable by said receiving apparatus, from being displayed in the second program table.

16. (Amended) A receiving apparatus according to claim 13, wherein the selection guide information includes pay-per-view information indicating the selected program is a pay-per-view program, and said control means performs a judgement process in accordance with the pay-per-view information.

17. (Amended) A receiving apparatus according to claim 13, wherein the selection guide information includes audio-visual restriction information including audio-visual restriction of the selected program, and said control means performs a judgement process in accordance with the audio-visual restriction information.

18. (Amended) A receiving apparatus according to claim 13, further comprising recording means for recording the video signal of the broadcasting program received by said receiving means, and said control means judges whether the broadcasting

program recorded by said recording means contains the program corresponding to the selection guide information, and controls said program table generating means to change contents of the second program table on the basis of a judgment result.

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19. (Amended) A receiving apparatus according to claim 12, wherein said input means inputs a plurality of selection guide information, and said program table generating means generates the second program table on the basis of selection guide information selected from among the plurality of selection guide information.

20. (Unamended) A receiving apparatus according to claim 12, wherein said program table generating means generates a two-dimensional program table having a broadcasting time as one axis and a channel as the other axis.

21. (Amended) A receiving apparatus according to claim 12, wherein said program table generating means displays information of the selected program in a corresponding area of the second program table and inhibits information of other programs from being displayed in other areas.

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22. (Cancelled)

23. (Amended) A receiving apparatus according to claim 12, wherein said program table generating means generates the second program table by multiplexing a

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predetermined frame in an area in the first program table, corresponding to the selected program.

24. (Amended) A receiving apparatus according to claim 12, wherein said program generating means generates the second program table by multiplexing a predetermined mark in a predetermined area in the first program table, corresponding to the selected program.

25. (Amended) A receiving apparatus according to claim 12, further comprising:

designating means for designating an arbitrary program from a plurality of programs contained in the second program table; and

signal processing means for processing the information signal of a video signal of a program designated by said designating means, among the video signals received by said receiving means.

26. (Amended) A receiving apparatus comprising:

receiving means for receiving a television broadcasting signal in which video signals of a plurality of broadcasting programs are multiplexed;

output means for outputting the video signal of the broadcasting program received by said receiving means to a display device;

retrieving means for retrieving a program from the plurality of broadcasting programs in accordance with a predetermined condition;

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input means for inputting selection guide information of the program selected from a plurality of broadcasting programs, from an external apparatus; and program table generating means for generating a program table in accordance with a retrieval result by said retrieving means and the selection guide information input by said input means and for outputting data representative of the program table to said display device.

27. (Unamended) An apparatus according to claim 26, wherein said program table generating means generates a two-dimensional program table having a broadcasting time as one axis and a channel as the other axis.

28. (Unamended) A receiving apparatus according to claim 27, wherein said program table generating means generates the program table in which only the program information of the selected program and the program information of the program selected in accordance with the retrieval result are displayed in corresponding areas of the program table and the program information of other programs is inhibited to be displayed in other areas.

29. (Unamended) A receiving apparatus according to claim 20, wherein said program table generating means generates the program table in which an area corresponding to the selected program and the area of the program selected in accordance with the retrieval result are displayed at different brightness.

30. (Unamended) A receiving apparatus according to claim 27, wherein said program table generating means generates the program table in which only information of a program coincident with a program which is selected from the selected programs according to the retrieval result is displayed in a corresponding area.

31. (Unamended) A receiving apparatus according to claim 27, wherein in the broadcasting signal, program attribute data of the plurality of programs is further multiplexed, and said program table generating means generates the program in which program information generated by using the program attribute data of the selected program among the program attribute data and program information of the selected program are displayed.

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32. (Amended) A television signal receiving apparatus, comprising:
receiving means for receiving a television broadcasting signal in which image signals of a plurality of broadcasting programs and program guide information of the plurality of broadcasting programs are multiplexed;
extracting means for extracting the program guide information from the television broadcasting signal received by said receiving means;
input means for inputting recommendation guide information of a program recommended from among the plurality of broadcasting programs, from an external apparatus;
program table generating means for generating a first program table indicating the plurality of broadcasting programs, in accordance with the program guide

information extracted by said extracting means and generating means and generating a second program table indicating the recommended program, on the basis of the recommendation guide information input by said input means;

output means for outputting the image signals received by said receiving means and data of the first and second program tables generated by said program table generating means to a display device;

designating means for designating an arbitrary program in the first and second program tables; and

controlling means for controlling said receiving means to receive the program designated by said designating means and controlling said output means to output the image signal of the designated broadcasting program to said display device.

33. (Unamended) A receiving method for a receiving apparatus comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

outputting information of an information signal received at said receiving step;

selecting an arbitrary program from the plurality of programs; and

transmitting program information of a program selected at said selecting step to an external apparatus.

34. (Unamended) A receiving method for a receiving apparatus comprising the steps of:

- receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;
- processing the video signal of a program selected from the plurality of programs and outputting the processed video signal to a display device;
- extracting program information from the broadcasting signal received at said receiving step;
- generating a program table in accordance with the program information extracted at said program information extracting step and outputting data representative of the program table to the display device;
- selecting an arbitrary recommended program from programs described in the program table;
- generating an output file of the recommended program selected at said selecting step by using the program information of the recommended program among the program information extracted at said program information extracting step; and
- transmitting the output file of the recommended program generated at said file generating step to an external apparatus.

15 35. (Amended) A receiving method for a receiving apparatus comprising the steps of:

- receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;

processing the video signal of a program selected from the plurality of programs and outputting the processing video signal to a display device;

extracting program information from the broadcasting signal received at said receiving step;

generating a program table in accordance with the program information extracted at said program information extracting step and outputting data representative of the program table to the display device;

searching the plurality of programs in accordance with a predetermined retrieval condition and selecting a recommended program in accordance with a search result;

generating an output file of the recommended program selected at said selecting step by using the program information of the recommended program among the program information extracted at said program information extracting step; and

transmitting the output file of the recommended program generated at said file generating step to an external apparatus.

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36. (Unamended) A receiving method for a receiving apparatus comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

inputting program information of a program selected from the plurality of programs, from an external apparatus; and

generating a program table in accordance with the program information input at said program information input step and outputting data representative of the program table.

37. (Unamended) A receiving method for a receiving apparatus comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

outputting information of the information signal received at said receiving step;

retrieving a program from the plurality of programs in accordance with a predetermined condition;

inputting program information of the program selected from a plurality of programs, from an external apparatus; and

generating a program table in accordance with a retrieval result at said retrieving step and the program information input at said program information input step and for outputting program table data representative of the program table.

38. (Unamended) A television signal receiving method for a television signal receiving apparatus, comprising the steps of:

receiving a television broadcasting signal in which digital image signals of a plurality of programs are multiplexed;

inputting program information of a program selected from the plurality of programs, from an external apparatus;

generating a program table in accordance with the program information input at said program information inputting step and displaying the program table on a display device;

designating an arbitrary program in the program table; and

extracting a digital image signal of the program designated at said designating step from the television broadcasting signal and displaying an image of the extracted program on the display device.

39. (Unamended) A recording medium storing a program of a receiving method for a receiving apparatus, said receiving method comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

outputting information of an information signal received at said receiving step;

selecting an arbitrary program from the plurality of programs; and

transmitting program information of a program selected at said selecting step to an external apparatus.

40. (Unamended) A recording medium storing a program of a receiving method for a receiving apparatus, said receiving method comprising the steps of:

receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;

processing the video signal of a program selected from the plurality of programs and outputting the processed video signal to a display device;

extracting program information from the broadcasting signal received at said receiving step;

generating a program table in accordance with the program information extracted at said program information extracting step and outputting data representative of the program table to the display device;

selecting an arbitrary recommended program from programs described in the program table;

generating an output file of the recommended program selected at said selecting step by using the program information of the recommended program among the program information extracted at said program information extracting step; and

transmitting the output file of the recommended program generated at said file generating step to an external apparatus.

41. (Amended) A recording medium storing a program of a receiving method for a receiving apparatus, said receiving method comprising the steps of:

receiving a broadcasting signal in which video signals and program information signals of a plurality of programs are multiplexed;

processing the video signal of a program selected from the plurality of programs and outputting the processed video signal to a display device;

extracting program information from the broadcasting signal received at said receiving step;

generating a program table in accordance with the program information extracted at said program information extracting step and outputting data representative of the program table to the display device;

searching the plurality of programs in accordance with a predetermined retrieval condition and selecting a recommended program in accordance with a search result;

generating an output file of the recommended program selected at said selecting step by using the program information of the recommended program among the program information extracted at said program information extracting step; and

transmitting the output file of the recommended program generated at said file generating step to an external apparatus.

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42. (Unamended) A recording medium storing a program of a receiving method for a receiving apparatus, said receiving method comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

inputting program information of a program selected from the plurality of programs, from an external apparatus; and

generating a program table in accordance with the program information input at said program information input step and outputting data representative of the program table.

43. (Unamended) A recording medium storing a program of a receiving method for a receiving apparatus, said receiving method comprising the steps of:

receiving a broadcasting signal in which information signals of a plurality of programs are multiplexed;

outputting information of the information signal received at said receiving step;

retrieving a program from the plurality of programs in accordance with a predetermined condition;

inputting program information of the program selected from a plurality of programs, from an external apparatus; and

generating a program table in accordance with a retrieval result at said retrieving step and the program information input at said program information input step and for outputting program table data representative of the program table.

44. (Unamended) A recording medium storing a program of a television signal receiving method for a television signal receiving apparatus, said television signal receiving method comprising the steps of:

receiving a television broadcasting signal in which digital image signals of a plurality of programs are multiplexed;

inputting program information of a program selected from the plurality of programs, from an external apparatus;